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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/973,814	10/11/2001	Toshiaki Kuniyasu	Q66676	7822
759	90 03/19/2004		EXAMINER	
SUGHRUE M		DAVIE, JAMES W		
MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, NW			ART UNIT	PAPER NUMBER
Washington, DC 20037-3213			2828	
			DATE MAILED: 03/19/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	09/973,814	KUNIYASU ET AL.			
Office Action Summary	Examiner	Art Unit			
	James W Davie	2828			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timy within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
<ol> <li>Responsive to communication(s) filed on 10 Dec.</li> <li>This action is FINAL.</li> <li>Since this application is in condition for allowar closed in accordance with the practice under Entertain in the condition in the practice of the condition in the practice of the condition in the conditi</li></ol>	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
<ul> <li>4)  Claim(s) 1-18 is/are pending in the application.</li> <li>4a) Of the above claim(s) 10 and 11 is/are with</li> <li>5)  Claim(s) is/are allowed.</li> <li>6)  Claim(s) is/are rejected.</li> <li>7)  Claim(s) is/are objected to.</li> <li>8)  Claim(s) 1-18 are subject to restriction and/or expressions.</li> </ul>	drawn from consideration.				
Application Papers					
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 11 October 2001 is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Ex	a)⊠ accepted or b)□ objected drawing(s) be held in abeyance. See ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s)					
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date</li> </ol>	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

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## **DETAILED ACTION**

1. Claims 10 and 11 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse on 12/10/03.

2. Upon consideration of the amended claims of Group I, the further restriction is required.

## Election/Restrictions

3. This application contains claims directed to the following patentably distinct species of the claimed invention: Species I of Figures 1A-1C drawn to a semiconductor laser device comprising: a substrate, a semiconductor layer including an active layer, a cladding layer, and a contact layer stacked in the recited order; two exposed portions having a depth at which said semiconductor layer is exposed continuously from one of two reflector end faces to the other; and a ridge portion, formed between said two exposed portions, which has a current injection window formed in a top surface of said ridge portion (claims 1-9 and 17) and Species II of Figure 4 drawn to a semiconductor laser device comprising: two opposite resonator end faces where at least a first conduction type first cladding layer, a first conduction type or i-type first optical waveguide layer, an i-type In<sub>x2</sub>Ga<sub>1-x2</sub>As<sub>1-y2</sub>P<sub>y2</sub> first barrier layer having tensile strain an i-type In<sub>x3</sub>Ga<sub>1-x3</sub>As<sub>1-y3</sub>P<sub>y</sub> quantum well active layer, an i-type In<sub>x2</sub>Ga<sub>1-x2</sub>As<sub>1-y2</sub>P<sub>y2</sub> second barrier layer having tensile strain, a second conduction type or i-type second optical

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waveguide layer, a second conduction type second cladding layer, a second conduction type contact layer, are stacked on a first conduction type GaAs substrate in the recited order (claims 12-16 and 18).

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James W Davie whose telephone number is (571) 272-1939. The examiner can normally be reached on M-F 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Ip can be reached on (571) 272-1941. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

James W Davie Primary Examiner Art Unit 2828